Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the present application:

 (Original) A method of preparing a cellulosic fiber composite comprising: mixing a protein hydrolysate with a synthetic resin, wherein the synthetic resin is phenolic resin, isocyanate resin, or combinations thereof, to produce a resin binder;

mixing the resin binder with a cellulosic material to form a cellulosic material/resin binder blend;

felting the cellulosic material/resin binder blend to form a low moisture-content mat; and pressing the low moisture-content mat at an elevated temperature and pressure, producing the cellulosic fiber composite.

- 2. (Original) The method of claim 1 wherein the amount of the resin binder is between about 2% and about 15% of the dry weight of the cellulosic material.
- 3. (Original) The method of claim 1 wherein the amount of the resin binder is between about 4% and about 8% of the dry weight of the cellulosic material.
- 4. (Original) The method of claim 1 wherein the amount of the resin binder is between about 4% and about 6% of the dry weight of the cellulosic material.
- 5. (Original) The method of claim 1 wherein the amount of the resin binder is between about 4% and about 5% of the dry weight of the cellulosic material.
- 6. (Original) The method of claim 1 further comprising adjusting the moisture content of the cellulosic fiber composite to a predetermined amount.

- 7. (Original) The method of claim 1 wherein the average moisture content of the cellulosic material is between about 8% and about 35% by weight after application of the resin binder.
- 8. (Original) The method of claim 1 wherein the protein hydrolysate is made by hydrolyzing a source of protein with sodium carbonate.
- 9. (Original) The method of claim 1 wherein the protein is animal protein, vegetable protein, or combinations thereof.
- 10. (Original) The method of claim 9 wherein the vegetable protein is soy protein.
- 11. (Original) The method of claim 10 wherein the soy protein is soy isolate.
- 12. (Original) The method of claim 10 wherein the soy protein is soy flour.
- 13. (Original) The method of claim 10 wherein the soy protein is a blend of soy isolate and soy flour.
- 14. (Original) The method of claim 13 wherein the weight ratio of the blend of the soy isolate to the soy flour is about 50:50.
- 15. (Original) The method of claim 1 wherein the synthetic resin is phenolic resin.
- 16. (Original) The method of claim 15 wherein the phenolic resin is phenol formaldehyde.
- 17. (Original) The method of claim 15 wherein the resin binder has a weight ratio of protein hydrolysate to phenolic resin between about 10:90 and about 90:10.

- 18. (Original) The method of claim 15 wherein the resin binder has a weight ratio of protein hydrolysate to phenolic resin between about 10:90 and about 75:25.
- 19. (Original) The method of claim 15 wherein the resin binder has a weight ratio of protein hydrolysate to phenolic resin between about 25: 75 and about 75: 25.
- 20. (Original) The method of claim 15 wherein the resin binder has a weight ratio of protein hydrolysate to phenolic resin between about 25: 75 and about 50: 50.
- 21. (Original) The method of claim 1 wherein the synthetic resin is isocyanate resin.
- 22. (Original) The method of claim 21 wherein the isocyanate resin is polymeric isocyanate.
- 23. (Original) The method of claim 21 wherein the resin binder has a weight ratio of protein hydrolysates to isocyanate resin between about 10:90 and about 90:10.
- 24. (Original) The method of claim 21 wherein the resin binder has a weight ratio of protein hydrolysates to isocyanate resin between about 10:90 and about 75:25.
- 25. (Original) The method of claim 21 wherein the resin binder has a weight ratio of protein hydrolysate to isocyanate resin between about 25: 75 and about 75: 25.
- 26. (Original) The method of claim 21 wherein the resin binder has a weight ratio of protein hydrolysates to isocyanate resin between about 25: 75 and about 50: 50.
- 27. (Original) The method of claim 1 wherein the synthetic resin is a combination of phenolic resin and isocyanate resin.

- 28. (Original) The method of claim 27 wherein the weight ratio of the isocyanate resin to the total of the protein hydrolysates and the phenolic resin is between about 25: 75 and about 75: 25.
- 29. (Original) The method of claim 21 wherein the amount of isocyanate resin making up the composite is about 1% to about 6% based on the total weight of the cellulosic material.
- 30. (Original) The method of claim 21 wherein the amount of isocyanate resin making up the composite is about 1% to about 3% based on the total weight of the cellulosic material.
- 31. (Original) The method of claim 21 wherein the amount of isocyanate resin making up the composite is about 1% to about 2% based on the total weight of the cellulosic material.
- 32. (Original) The method of claim 1 wherein the synthetic resin further comprises paraformaldehyde.
- 33. (Original) The method of claim 32 wherein the weight ratio of the paraformaldehyde to the total of the protein hydrolysates and the synthetic resin is between about 2:48 and about 15:35 based on 50% resin solids.
- 34. (Original) The method of claim 1 wherein the synthetic resin further comprises high methylol content phenol formaldehyde pre-polymer.
- 35. (Original) The method of claim 34 wherein the molar ratio of formaldehyde to phenol to NaOH of the high methylol content phenol formaldehyde pre-polymer is about 2:1:0.5.
- 36. (Original) The method of claim 34 wherein the weight ratio of the high methylol content phenol formaldehyde pre-polymer to the total of the protein hydrolysates and the synthetic resin is between about 10:90 and about 90:10.

- 37. (Original) The method of claim 34 wherein the weight ratio of the high methylol content phenol formaldehyde pre-polymer to the total of the protein hydrolysates and the synthetic resin is between about 25:75 and about 75:25.
- 38. (Original) The method of claim 1 wherein the resin binder further comprises a silicone, silane, or combination thereof.
- 39. (Original) The method of claim 1 that further comprises applying a coating to the composite, wherein the coating is a silicone, silane, or combination thereof.
- 40. (Original) The method of claim 38 wherein the amount of silicone, silane, or combination thereof is between about 0.1% and about 1.0% based on the total amount of the cellulosic material.
- 41. (Original) The method of claim 39 wherein the amount of silicone, silane, or combination thereof is between about 0.1% and about 1.0% based on the total amount of the cellulosic material.
- 42. (Original) A method of preparing a finished cellulosic fiber composite article comprising:

mixing a protein hydrolysate with a synthetic resin, wherein the synthetic resin is phenolic resin, isocyanate resin, or combinations thereof, to produce a resin binder;

mixing the resin binder with a cellulosic material to form a cellulosic material/resin binder blend;

felting the cellulosic material/resin binder blend to form a low moisture-content mat; and molding the low moisture-content mat at an elevated temperature and pressure, producing the finished cellulosic fiber composite article.

Serial No. 10/647,864 Docket No. – BAT 0033 VA/12755 DIV

43. (Original) The method of claim 42 that further comprises applying a laminate overlay to the finished cellulosic fiber composite article.